

VIA CERTIFIED MAIL, RETRUN RECEIPT REQUESTED, AND EMAIL

December 12, 2013

Ms. Nancy Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Ave., S.E.
Washington, DC 20590

Re: Recall Campaign
Fuel Pump
2005 – 2011 BMW R Model Motorcycles
2005 – 2012 BMW K Model Motorcycles
2010 – 2011 BMW S 1000 RR Motorcycles
2006 – 2010 BMW HP2 Motorcycles

Dear Ms. Lewis:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573.

Pursuant to Section 573.6(c), we submit the following information.

1. **Manufacturer:** Bayerische Motoren Werke AG (BMW AG)
Designated Agent: Samuel Campbell, III
Department Head, Safety Engineering and ITS
BMW of North America, LLC (BMW NA)
200 Chestnut Ridge Rd. (Bldg. 150)
Woodcliff Lake, NJ 07677

2. **Make:** BMW

Company
BMW of North America, LLC

BMW Group Company

Mailing address
PO Box 1227
Westwood, NJ
07675-1227

Office address
300 Chestnut Ridge Road
Woodcliff Lake, NJ
07677-7731

Telephone
(201) 307-4000

Fax
(201) 571-5479

Website
bmwusa.com

Model Year / Model

Inclusive Dates of Manufacture

2005 – 2011 / R 1200 GS	Jan 6, 2004 – Mar 30, 2011
2006 - 2011 / R 1200 GS Adven.	Dec 7, 2005 – Mar 28, 2011
2006 / HP2 Enduro	Aug 10, 2005 – Feb 17, 2006
2008 – 2009 / HP2 Megamoto	May 22, 2007 – Sep 25, 2008
2005 – 2011 / R 1200 RT	Jan 7, 2005 – Apr 13, 2011
2007 – 2011 / R 1200 R	Aug 30, 2006 – Apr 11, 2011
2005 – 2007 / R 1200 ST	Dec 22, 2004 – Jun 15, 2007
2007 / R 1200 S	Mar 30, 2006 – Sep 27, 2007
2008 – 2010 / HP2 Sport	May 22, 2007 – Sep 4, 2009
2005 – 2008 / K 1200 S	Apr 14, 2004 – Mar 27, 2008
2009 – 2011 / K 1300 S	Sep 11, 2008 – Mar 31, 2011
2006 – 2008 / K 1200 R	Jan 21, 2005 – Mar 18, 2008
2007 / K 1200 R Sport	Sep 6, 2006 – May 25, 2007
2006 – 2008 / K 1200 GT	Nov 28, 2005 – Apr 4, 2008
2009 – 2011 / K 1300 GT	Oct 17, 2008 – May 27, 2010
2010 – 2011 / S 1000 RR	Nov 5, 2009 – Apr 1, 2011
2012 / K 1600 GT	Jan 10, 2011 – Apr 15, 2011
2012 / K 1600 GTL	Dec 16, 2010 – Apr 15, 2011



3. The number of motorcycles affected is approximately 50,184 as follows:

<u>Model Year / Model</u>	<u>Production Volume</u>
2005 – 2011 / R 1200 GS	12,996
2006 – 2011 / R 1200 GS Adven.	6,201
2006 / HP2 Enduro	364
2008 – 2009 / HP2 Megamoto	93
2005 – 2011 / R 1200 RT	12,542
2007 – 2011 / R 1200 R	2,163
2005 – 2007 / R 1200 ST	554
2007 / R 1200 S	477
2008 – 2010 / HP2 Sport	196
2005 – 2008 / K 1200 S	3,562
2009 – 2011 / K 1300 S	1,291
2006 – 2008 / K 1200 R	1,373
2007 / K 1200 R Sport	488
2006 – 2008 / K 1200 GT	3,073
2009 – 2011 / K 1300 GT	1,161
2010 – 2011 / S 1000 RR	2,882
2012 / K 1600 GT	433
2012 / K 1600 GTL	335

4. The percentage of motorcycles estimated to contain the condition is less than 1%.
5. This recall involves the fuel pump, and also the auxiliary fuel pump on applicable models. Due to excessive loads on the fuel pump flange in the area of the quick connector during motorcycle servicing, ductile cracks may develop in the plastic flange. Excessive loads can be generated during improper removal and insertion of the quick connector, or by removing the fuel tank prior to disconnecting the fuel line. Further damage can be caused by corrosive material/fluids. Over time, this could affect the seal between the flange and the flange housing. Eventually, a small fuel leak could occur during engine operation. After the engine is shut off, the fuel leak stops.

The name, business address, telephone number, and contact person of the supplier, and country of origin of the fuel pump and auxiliary fuel pump is:

Mr. Christian Opitz
Continental Automotive GmbH
Sodener Str. 9
65824 Schwalbach
Tel.: 49-231-176-1751

Country of Origin: Germany

6. On November 16, 2012, NHTSA opened Preliminary Evaluation PE12-036 concerning fuel leaks on Model Year 2005-2008 BMW R model motorcycles. On December 7, 2012, BMW received the Information Request letter from NHTSA, and on February 4, 2013, BMW provided its response.

In BMW's response to the PE, the following information was provided:

- In February 2006, the first warranty claim was processed that included a description of a fuel leak. Approximately one year later, in February and March 2007, two more warranty claims were processed which also included fuel leak descriptions. In the second-half of 2007, several more warranty claims were processed.
- In September 2009, the first consumer complaint referencing a fuel leak was received. In October 2009, two more were received for motorcycles that had accumulated over 60,000 miles. In addition, a small number of warranty claims were received on certain BMW K model motorcycles.
- Between November 2009 and February 2010, BMW conducted tests and analyses to determine the cause of the small fuel leaks. Preliminary results indicated that cracks were developing due to inappropriate disconnecting and reconnecting of the quick connector during service, and that corrosive material/fluids created further damage. A review of fuel pump supplier information concluded that production quality and process was according to specification.
- Component failure rate forecast calculations indicated that cracks could develop at a rate of 0.02% after 1 year, 0.09% after 2 years, and 0.31% after 3 years.
- Between October 2010 and February 2011, BMW evaluated two potential improvements to the fuel pump flange. The first was a small torque reduction during assembly of the fuel pump flange into the flange housing during pump assembly. The second was the addition of a reinforcing sleeve (metal support ring) over the fuel pump flange neck. Production implementation of the improved pump took place in the first half of 2011, depending upon model.

On July 12, 2013, NHTSA opened Engineering Analysis EA13-006. After the opening of the EA, discussions occurred between BMW and NHTSA. During that time, BMW conducted further reviews and analyses.

Although BMW does not believe that an unreasonable risk to motor vehicle safety exists in the subject motorcycles, in a good faith effort BMW has decided to cooperate and resolve this issue with NHTSA. BMW has also decided to include other applicable motorcycle models which were not part of this investigation.

Production and manufacturing records were examined in order to determine the number and production range of potentially affected motorcycles. On December 5, 2013, BMW decided to conduct a voluntary recall.

BMW has not received any reports of any accidents, injuries, or fires related to this issue.

7. Not applicable.
8. The fuel pump will be inspected. If no leaks are present, cracks in the flange are small, and the flange diameter has not exceeded a certain measurement, then a reinforcing ring will be installed on the flange neck. If leaks are present, if cracks in

the flange extend to the bottom of the flange, or if the flange diameter has exceeded a certain measurement, then the fuel pump will be replaced.

BMW expects to begin dealer notification in December and complete dealer notification in February. BMW expects to begin owner notification in February and complete owner notification in April.

9. Not applicable.
10. A copy of the Service Bulletin will be submitted when available. A copy of the owner notification letters will be submitted when available.
11. Not applicable.

Sincerely,

BMW OF NORTH AMERICA, LLC



Sam Campbell
Department Head
Safety Engineering and Intelligent Transportation Systems